# PRODUCT SPEC SHEET Liquid Float Level Switches



## FLS-L Liquid Float Level Switches



### **Product Overview:**

The FLS-L series of float-type switches, supplied by S&S Middle East, are specifically designed for multi-level applications. They are ideal for scenarios where access is limited to the top surface or when multiple level sensing is required through a single penetration.

Each unit includes a float suspended by a cable, which moves with the liquid's surface level. As the float tilts in response to level changes, the integrated micro switches inside the float are activated.

## **Technical Specifications**

#### **Product Codes**

Switch	ı Rating:	6A @ 6 - 250Vac	FLS-L-1H	High level alarm or controlling magnetic valve (2x1,5)
Stando	ard Cable Length:	5m	FLS-L-2H	Discharging-pump control (2x1,5)
	· ·	Min 10 in	FLS-L-2Y FLS-L-3H	Discharging-pump control (3x1) Discharging-pump control + high level alarm (3x1)
Stando	ard Switchig Level Diff:	Min 10 in.	FLS-L-3H	Discharging-pump control + high level alarm (4x1)
Maximum Standard Switching Level Diff:		Max 50 in.	FLS-L-3HE	Discharging-pump control + isolated high level alarm (4xI)
Materi	als:		FLS-L-3YE	Discharging-pump control + isolated high level alarm (5x1)
	Float Polypropen	Dalamana	FLS-L-4H	Discharging-pump control + high and low level alarms (4x1)
		FLS-L-4Y	Discharging-pump control + high and low level alarms (5x1)	
	Standard Cable	PVC	FLS-L-1L	Low level alarm or controlling magnetic valve (2x1,5)
Minimu	um Fluid Sp. Gravity:	0.7	FLS-L-2L	Charging-pump control (2x1,5)
will ill flat fit falla 3p. Oravity.			FLS-L-2A	Charging-pump control (3x1)
Pressu	ıre Rating:	28 psi (2bar) Maximum	FLS-L-3L	Charging-pump control + low level alarm (3x1)
Δmhier	ent Liquid Temperature:	0 to +55°C	FLS-L-3A	Charging-pump control + low level alarm (4x1)
			FLS-L-3LE	Charging-pump control + isolated low level alarm (4xl)
Count	ry of Origin:	Finland	FLS-L-3AE	Charging-pump control + isolated low level alarm (5xl)
Conformity		LVD, CSA, CE & UKCA	FLS-L-4L FLS-L-4A	Charging-pump control + high and low level alarms (4x1) Charging-pump control + high and low level alarms (5x1)
	•		FLS-L-1C	High or low level alarm, change-over switch (3x1)
Protec	ting Rating:	IP67, NEMA 6	ELC_1_2C	Charging or discharghig-pump control (change over contact) (2vl)
Weigh	t:	1.3 - 4lbs (varies on type)	FLS-L-2HL	High and low level alarms (3x1)

## **Installation Instructions**

- 1) The FLS-L must only be installed by a qualified, trained technician with experience in handling installations involving hazardous voltages (>50Vac & <1000Vac or >75Vdc & <1500Vdc).
- 2) Always ensure that the power supply is fully disconnected before performing any work on the FLS-L.
- 3) The FLS-L-1L and FLS-L-1H models are supplied with a two-part mounting bracket for securing the cable to the side of the tank at the top edge. This bracket includes a plastic tube with a single-hole fixing bracket and a tubular plastic insert that locks the cable in place once the desired mounting position is determined. Hang the float so that its lower face is positioned 12.5 cm below the desired switching point. Note that no additional weight is required. Final adjustments may be necessary during actual pumping conditions.
- 4) The remaining FLS-L models are supplied with a weight. The switching height differential is adjusted by sliding the weight along the cable. The differential is minimized when the weight is positioned closest to the float.